

Corona Times

18th JUNE 2020
EDITION 5



empowering
networking
globalknow-how

CORONA: “a luminous, audible discharge brought on by the ionization of a fluid such as air surrounding a conductor that is electrically charged”.



A FORTNIGHTLY NEWS-SHEET TO PROVIDE INFORMATION AND UPDATES TO CIGRE MEMBERS

TECH TALK

A series of links to CIGRE Technical documents

[Network protection performance audits – TB 800](#)

The capability and availability of steady state single frequency phasor-based power system and protection analysis software packages now make it possible to undertake “wide-area” protection performance audits.

The scope of the working group was to cover the possibilities, advantages and requirements for utilising proprietary power system and protection analysis software for undertaking protection performance audits of transmission and distribution systems involving hundreds or thousands of protection devices.

PARIS SESSION 48 : 2021 and E-SESSION 2020

Due to the impact of COVID-19 on global travel, the planned 2020 session will be offered in part as a e-session with 2021 seeing the staging of the CIGRE Centennial Session in Paris.

CIGRE is pleased to announce that registration for both these events is now available. These sessions are a unique opportunity to participate and find out about the latest global technical innovations and studies.

For information and [REGISTRATION CLICK HERE.](#)

WEBINAR - FREE

[Trenchless technologies – WBN018](#)

There is an increasing demand on space in relation to cable installations. Innovative technologies are being used increasingly due to obstacles such as buildings, motorways, rivers, traffic etc preventing the use of direct trenching operations.

The Webinar covers the most common methods for trenchless technologies.

KIWI COMMENTS

News from across the ditch

We are all enjoying our new found freedom post COVID-19. For readers interested in finding some information on the New Zealand electricity system, There is a lot of system information available online including a live summary of the system published by Transpower which can be found [HERE which includes](#) up to the minute system load, renewable mix and HVDC transfer.

For those who want to delve into the detail the Ministry of Business Innovation and Employment has detailed historical data tables available on [their site HERE.](#)

NGN CORNER

News from our Young Engineer Group (U 35yo)

This edition we would like to put forth the challenge to reach out to your fellow NGN. Ask them how they are finding CIGRE, what is their interests, how they could get more involved.

There is plenty of passion amongst the group and they are more than willing to support panels in their activities. If you have Young Engineers that you think would be interested in joining please ask them to join by contacting ngn@cigreaustralia.org.au.

NGN Website: [CIGRE Australia NGN](#)

WOMEN IN SPACE

June 16, 1963 – Russian Valentina Tereshkova, became the first woman in space. She manually controlled the spacecraft completing 48 orbits in 71 hours before landing safely.

June 18, 1983 – Dr Sally Ride, became the first American woman in space, beginning a six-day mission aboard the space shuttle Challenger.



CORONA PANEL SNAPSHOT | AU-C5

Markets and Regulation

Study Committee Chairman: Alex Cruickshank (AU) | **AU Panel Convenor:** Greg Thorpe (SA)

Scope:

Study Committee C5 works to further the development and understanding of how competitive markets and arrangements for regulation of electricity systems operate and are designed. Interestingly while the objectives and technology of plant and equipment comprising power system in different countries and regions are very similar there are many ways to design market and regulatory regimes. Members of C5 collaborate to explore and understand different approaches with the aim of learning from experience in other countries and whether approaches elsewhere may be useful in their home system.

Panel membership: 17

Current international working groups activities:

[WG C5-32 Carbon Pricing in Electricity Markets](#)

Convenor: Anthony Giacomoni from PJM in the US, is looking at *mechanisms for pricing carbon and other greenhouse gases in wholesale electricity markets.*

[WG C5-31 Wholesale and Retail Electricity Cost Impact of Flexible Demand Response](#)

Convenor: Angela Chung from EPRI, is reviewing *opportunities in wholesale and retail markets to advance affordability of electric service.*

- [WG C5-30 The Role of Blockchain Technologies in Power Markets](#)

Convenor: David Bowker of Australia. Phase 1: *is an exploration of the potential of blockchain technologies.* Phase 2: *will review a range of trials and examples.*

- [C5-C6-29 New Energy Markets, Local Energy Community](#)

Convenor: Alain Taccoen (France) is to undertake *a worldwide overview of distributed energy resource (DER) technology applied in local energy community (LEC).*

- [WG C5-28 Energy Price Formation in Wholesale Markets](#)

Convenor: Adam Keech (US) is examining approaches to setting *wholesale energy prices in different markets and situations.*

- [WG C5-27 Market Design for Short-Term Flexibility](#)

Convenor: Gerard Doorman (Norway) is investigating *market designs for flexibility needed to compliment non-dispatchable generation.*

- [WG C5-26 Auction Markets and Other Procurement Mechanisms for Demand](#)

Convenor: Kankar Bhattacharya is examining *the role of TSOs and DSOs in managing DR services, development of DR auctions.*

- [WG C5-25 Regulation & Market design perspectives raised by new storage technologies](#)

Convenor: David Game *is focused on storage technologies and regulatory barriers that prevent realization of all the value of EES.*

- [WG C5-24 Exploring the Market-based value of Smart Grid developments](#)

Convenor: Elizabeth (Beth) LaRose *This group has just completed review of smart grid technologies.*

- [WG C5-22 Mitigating systemic market risk in electricity markets](#)

Convenor: David Bowker. This group has completed an examination of ways in which markets approach systemic market risks

Each 2-yearly meeting of CIGRE in Paris Study Committees C5 and C2 present a well attended Large Disturbance Workshop. The workshop shares the experiences of System Operators and Market designers arising from major incidents from around the world. The 2020 workshop will be a virtual event.

KMS Tips & Tricks

RESETTING PASSWORD: The password reset facility is located in the User Management System: <https://admin.cigregrups.org/>. You need to know your Username! (usually **firstname.surname**). The **Forgot Password** facility will send an email to BOTH of your registered email accounts (just in case you no longer have access to your primary email address). When you click the secure link in that email, your profile will open and you can enter a new password in both boxes and Save. **You must wait at least 10 minutes** before trying to log in to the KMS again.